

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO.:

FILED: Herewith

TITLE: TEMPERATURE-RATED VARIABLE SPEED CONTROL CIRCUIT OF AN ELECTRIC FAN

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) An electric fan temperature-rated variable speed control circuit; ~~which is comprised of~~ comprising:

a D.C. current source; and a fan activation IC, ~~whose characteristics lie in,~~
~~—————~~ in further comprising, between ~~the~~ current positive and negative poles ~~lie,~~ a serially connected resistor ~~R1~~, voltage stabilizer diode ~~DZ~~, with ~~the~~ a regulation tube ~~DZ~~ negative pole linked to the current negative pole to form a primary current, when paired with the positive pole; wherein the positive pole of said voltage stabilizer diode ~~DZ~~ is bypassing ~~the~~ a thermal-resistor ~~Rtr~~ to link to ~~the~~ a triode ~~Q1~~ base, and wherein, between ~~said~~ the triode ~~Q1~~ receptor and collectors lies resistor ~~R2~~, whose collector is linked to the power source negative pole, and its collector is bypassing resistor ~~R3~~ to link to the triode ~~Q2~~ base to form a secondary base voltage for said triode ~~Q2~~. ~~The,~~ wherein a collector of said triode ~~Q2~~ is linked to the current source positive pole, and between its transmitter and bases lies serially connected attenuator resistor ~~R4~~, which bypasses the base to send off fan rotation speed signals to the fan activation IC.

2. (Currently amended) The electric fan temperature-rated variable speed control circuit as defined in claim 1, ~~of which between~~ wherein the fan activation IC signal output ~~(2) and (3)~~ and the triode-Q2 current-in polarity are serially connected with coil resistance L2 and coil resistance L1, respectively.

3. (Original) The electric fan temperature-rated variable speed control circuit as defined in claim 1, of which the regulation tube DZ attenuated current is rated at 5.1 Volts.

4. (Original) The electric fan temperature-rated variable speed control circuit as defined in claim 1, of which the thermal-sensitive resistance RTR is of a negative temperature-rated thermal-resistor.